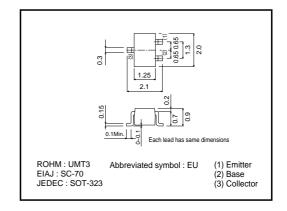
# General purpose amplification (30V, 1A) 2SD2656

### Application

Low frequency amplifier

### Features

1) A collector current is large. 2) Collector saturation voltage is low.  $V_{CE(sat)} \le 350 \text{mV}$ At Ic = 500mA / IB = 25mA



## •External dimensions (Units : mm)

### •Absolute maximum ratings (Ta=25°C)

Parameter	Symbol Limits		Unit
Collector-base voltage	Vсво	30	V
Collector-emitter voltage	VCEO	30	V
Emitter-base voltage	Vebo	6	V
Collector current	lc	1	A
Collector current	Іср	2	A *
Power dissipation	Pc	200	mW
Junction temperature	Tj	150	°C
Range of storage temperature	Tstg	-55~+150	°C
0.1 1 0 1			

\*Single pulse, Pw=1ms

### •Electrical characteristics (Ta=25°C)

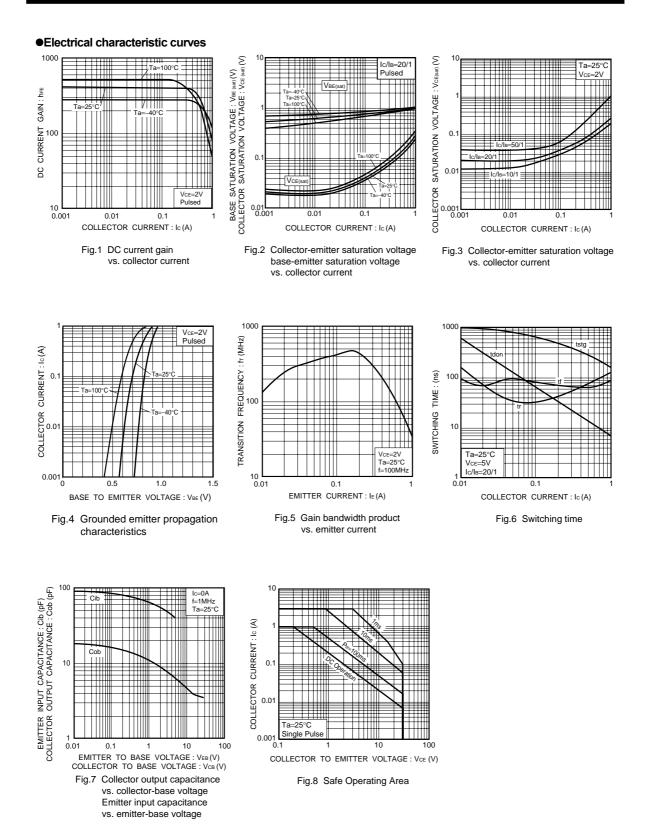
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	30	-	-	V	Ic=10μA
Collector-emitter breakdown voltage	BVCEO	30	-	-	V	Ic=1mA
Emitter-base breakdown voltage	ВVево	6	-	-	V	Ιε=10μΑ
Collector cutoff current	Ісво	-	-	100	nA	Vcb=30V
Emitter cutoff current	Іево	-	-	100	nA	VEB=6V
Collector-emitter saturation voltage	VCE(sat)	-	140	350	mV	Ic/I <sub>B</sub> =500mA/25mA
DC current gain	hfe	270	-	680	-	Vce/lc=2V/100mA *1
Transition frequency	f⊤	-	400	-	MHz	Vce=2V, Ie=-100mA, f=100MHz *1
Corrector output capacitance	Cob	-	5	-	pF	Vcb=10V, Ie=0A, f=1MHz
Corrector output capacitance	Cob	-	5	-	pF	Vcb=10V, IE=0A, f=1MHz

\*1 Pulsed

### Packaging specifications

	Package	Taping
	Code	T106
Туре	Basic ordering unit (pieces)	3000
2SD2656		0

# Transistors



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